Supplement to

Sea Frontiers®

Magazine of the International Oceanographic Foundation

CONTENTS

VOLUME 20, 1974
NUMBERS 1-6

Published by THE INTERNATIONAL OCEANOGRAPHIC FOUNDATION
10 RICKENBACKER CAUSEWAY, MIAMI, FLORIDA 33149

The International Oceanographic Foundation

RICKENBACKER CAUSEWAY, VIRGINIA KEY, MIAMI, FLORIDA 33149

"To encourage the extension of human knowledge by scientific study and exploration of the oceans in all their aspects, including the study of game fishes, food fishes, ocean currents, the geology, chemistry, and physics of the sea and the sea floor."

President ..... F. G. WALTON SMITH
Vice President ..... E. S. CORLETT III
Vice President ..... R. HARDY MATHESON
Vice President, Development ..... THOMAS F. GUIDERA
Treasurer ..... THOMAS O. OTTO IIJ
Executive Secretary ..... F. MAY SMITH

Chairman of the Board of Trustees
CHARLES F. JOHNSON

BOARD OF TRUSTEES

PEYTON ANDERSON
Macon, Georgia

ALEXANDER M. BALFE
Chairman of the Board
Merrill-Stevens Dry Dock Co.
Coconut Grove, Florida

M. R. CARRIKER
College of Marine Studies
University of Delaware
Lewes, Delaware

PRESTON CLOUD
University of California
Santa Barbara, California

GEORGE W. COLLIER
Miami, Florida

E. S. CORLETT III
Vice President, I.O.F.
Miami, Florida

ALLISON FLEITAS
Palm Beach, Florida

FREDERICK S. FORD
Grosse Pointe Shores, Mich.

ALFRED C. GLASSELL, JR.
President
Glassell Producing Co.
Houston, Texas

MELVILLE BELL GROSVENOR
Editor in Chief
National Geographic Society
Washington, D.C.

WILLIAM WINN HAY
Rosenstiel School of Marine and Atmospheric Science
University of Miami
Miami, Florida

F. H. HILL, JR.
Miami, Florida

DANIEL W. HOFGREN
Vice President, Goldman, Sachs
Washington, D.C.

CHARLES F. JOHNSON
Chairman, I.O.F.
Lake City, Florida

JAMES L. KNIGHT
Chairman of the Board
The Miami Herald
Miami, Florida

W. W. KNIGHT, JR.
Toledo, Ohio

PHILIP LEBOUTILLIER, JR.
Toledo, Ohio

R. HARDY MATHESON
Vice President, I.O.F.
Miami, Florida

J. L. MCHUGH
Marine Sciences Research Center
State University of New York
Stony Brook, New York

W. O. MEHRTENS
U.S. District Judge
Miami, Florida

THOMAS O. OTTO III
Treasurer, I.O.F.
Miami Beach, Florida

MELVIN M. PAYNE
President
National Geographic Society
Washington, D.C.

JOHN H. PERRY, JR.
Palm Beach, Florida

OGDEN M. PHIPPS III
Miami, Florida

JACQUES PICCARD
Lausanne, Switzerland

CRITCHELL RIMINGTON
Consultant, Yachting Publishing Corporation
New York, New York

EDWARD W. SCRIPPS II
Scripps-Howard Newspapers
New York, New York

F. G. WALTON SMITH
President, I.O.F.
Editor, Sea Frontiers
Dean Emeritus, Rosenstiel School of Marine and Atmospheric Science
University of Miami

F. MAY SMITH
Executive Secretary, I.O.F.
Managing Editor,
Sea Frontiers

ATHELSTAN SPILHAUS
Washington, D.C.

HARRIS B. STEWART, JR.
Director
NOAA's Atlantic Oceanographic and Meteorological Laboratories
Miami, Florida

EDWARD F. SWENSON, JR.
Miami, Florida

P. A. B. WIDENER
Sheridan, Wyoming

TRUSTEES EMERITI

PAUL S. GALTSOFF
U.S. Fish & Wildlife Service
Woods Hole, Massachusetts

GEORGE M. MOFFETT, JR.
Edgartown, Massachusetts

FERDINANDO SCHIAVONI
Publisher, Mondo Sommerso
Milan, Italy

WALDO L. SCHMITT
Smithsonian Institution
Washington, D.C.

ALLYN C. VINE
Woods Hole Oceanographic Institution
Woods Hole, Massachusetts

ERIK WIJK
Swedish American Line
Gothenburg, Sweden

Contents of Volume 20

NUMBER 1, JANUARY-FEBRUARY, 1974

Pelagic Adaptations	Richard M. Hammer	2
Exchanging Ocean Data Like Weather Reports	Thomas Land	13
King of the Winged Boats	Larry Holden	16
The Meeting of the Seas	Olga Osing	21
Artificial Reefs	Richard B. Stone	25
Offshore Floating Nuclear Power Plants	Howard C. Serkin	34
Versatile Chitin	Peg Robinson	42
The Persevering Smelt	Robert D. Anderson	49
Freedom to Fish	C. P. Idyll	52
Science of the Sea in Books		57
About the Authors		61

NUMBER 2, MARCH-APRIL, 1974

An Inquiry into the Causes of Shark Attacks	A. Peter Klimley	66
The Ever-Changing Sea Level	Alan P. Carr	77
Habits of a False Limpet	Ronald F. Thomas	84
Power from the Oceans	F. G. Walton Smith	87
Shrimp Farming	James P. Norris	100
Perils of the Sea	Lipman G. Feld	108
Lockout 705 Feet Down	Morton Walker	114
Science of the Sea in Books		120
About the Authors		126

NUMBER 3, MAY-JUNE, 1974

Instant Islands	Robin Burton	130
Mini-Prowlers of the Night Reef	Patrick L. Colin	139
Capitola Beach	Allen Grasso	146
The Riddle of the Rorquals	Gordon R. Williamson	152
The United Nations Fishes the Caribbean	C. P. Idyll	158
Methane and the Biosphere	Ronald S. Oremland	172
Science of the Sea in Books		180
About the Authors		190

NUMBER 4, JULY-AUGUST, 1974

Planet's Powerhouse	F. G. Walton Smith	195
Sailfish Underwater		204
Gregarious King Crabs	Guy C. Powell	206
The Search for the *Monitor*	Norman G. Cubberly	212
Small Predators on the Reef	Ronald E. Thresher	219
How Hot Is a Whale?	G. Causey Whittow	228
Giant Test Tubes in the Sea	George E. Toles	233
Octopus on the Dining Table	Gilbert L. Voss	236
Deep Wellhead	James A. Cox	244
Science of the Sea in Books		250
About the Authors		254

Contents of Volume 20 (continued)

NUMBER 5, SEPTEMBER-OCTOBER, 1974

Scampi	A. L. Rice and C. J. Chapman	258
The Baltic—To Be or Not to Be?	Gene de Castro	269
Earthquakes in Alaska	Kathleen Mark	274
Coral Reefs, Mangroves, and Dutch Gin	Lowell P. Thomas	284
Tracking and Monitoring Whales	George E. Toles	294
A Postal Gallery of Marine Life: Molluscs	M. W. Martin	298
The Weather Luck of Christopher Columbus	Keith C. Heidorn	302
Science of the Sea in Books		312
About the Authors		318

NUMBER 6, NOVEMBER-DECEMBER, 1974

Marine Life of the Galapagos	Kent Schellenger	322
A New Look at the *Challenger* Expedition	Harris B. Stewart, Jr.	333
Shell-Less Molluscs	Neville Coleman	338
Breaking the Ice	Robin Burton	343
The Regular Sea Urchins of South Florida	Helen D. Albertson and Ronald F. Thomas	352
The Oceans from Skylab 4	Robert S. Dietz	359
The Saga of the Cod	Anthony Netboy	364
Science of the Sea in Books		374
About the Authors		380